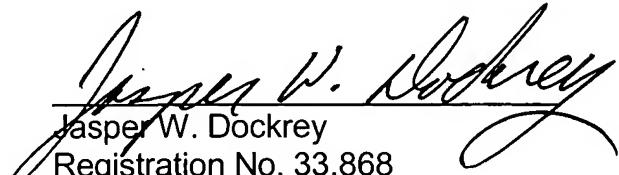


## REMARKS

The applicants respectfully request entry of the amendment prior to commencing examination of the application.

Respectfully submitted,



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## Amended Abstract

~~The invention concerns a~~ A device (100) for processing a signal ( $i$ ) derived from a particular detector (1), ~~said the device comprising including~~ an integrator (2) for measuring the total charge transported by ~~a~~ an input signal ( $i_2$ ) feeding ~~said the~~ integrator (2) for a predetermined time interval. The invention is characterized in that ~~said device further includes~~ comprises a plurality of units (4,5) for receiving ~~the~~ detector signal ( $i$ ) derived from ~~said the particle~~ detector (1), reducing the background noise present in the detector signal ( $i$ ), and producing ~~said the input~~ signal ( $i_2$ ). The invention is applicable to various devices and appliances for measuring flow of particles such as photons.